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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/945,002	08/31/2001	Paul W. Dent	4015-980	1823		
24112 7	590 09/01/2006		EXAM	EXAMINER		
COATS & BENNETT, PLLC			BURD, KEVIN MICHAEL			
P O BOX 5 RALEIGH, NO	C 27602		ART UNIT	PAPER NUMBER		
10.22.011, 111			2611			
•			DATE MAILED: 09/01/2006			

Please find below and/or attached an Office communication concerning this application or proceeding.

			Application No.		Applicant(s)			
Office Action Summary		09/945,002		DENT, PAUL W.				
		Examiner		Art Unit				
			Kevin M. Burd		2611	_		
Period fo	The MAILING DATE of this community of Reply	nication appe	ears on the cover	sheet with the co	orrespondence ad	dress		
WHIC - Exte after - If NC - Failt Any	ORTENED STATUTORY PERIOD IN CHEVER IS LONGER, FROM THE IN INSIGN THE INSIGN OF THE INS	MAILING DA s of 37 CFR 1.136 munication. tatutory period will y will, by statute, of	TE OF THIS CO 5(a). In no event, hower Il apply and will expire S cause the application to	MMUNICATION ver, may a reply be time SIX (6) MONTHS from to become ABANDONED	ely filed he mailing date of this co (35 U.S.C. § 133).			
Status								
1)⊠	Responsive to communication(s) fil	ed on 05 Jul	y 2006.					
2a)□	•		action is non-fina	ıl.				
3)□	· · · · · · · · · · · · · · · · · · ·							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
4)⊠	Claim(s) <u>1-41</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)⊠	Claim(s) <u>1-13 and 31-41</u> is/are allowed.							
6)⊠	Claim(s) 14 is/are rejected.							
7)🖂	Claim(s) <u>15-30</u> is/are objected to.							
8)□	Claim(s) are subject to restriction and/or election requirement.							
Applicat	ion Papers							
9)□	The specification is objected to by the	ne Examiner						
,				ected to by the E	xaminer.			
,	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority (	under 35 U.S.C. § 119							
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>								
2)	et(s) Se of References Cited (PTO-892) Se of Draftsperson's Patent Drawing Review ( Se of Draftsperson's Patent Drawing Review ( Se of Draftsperson's Patement(s) (PTO/SB/08) Se No(s)/Mail Date		5) 🔲 (	Interview Summary ( Paper No(s)/Mail Dat Notice of Informal Pa Other:	te			

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1. This office action, in response to the remarks filed 7/5/2006, is a non-final office action.

## Response to Amendment

- 2. The declaration filed on 7/5/2006 under 37 CFR 1.131 is sufficient to overcome the Kong et al (US 2002/0067761) reference.
- 3. A new rejection rejecting claim 14 is stated below.

# Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 4. Claim 14 is rejected under 35 U.S.C. 102(e) as being anticipated by Kong (US 6,546,043).

Regarding claim 14, Kong discloses a method of processing received signals from a plurality of mobile terminals in a diversity receiving system using the receiver shown in figure 2. Each of the antennas receives a composite signal and each composite signal comprises a plurality of user signals (column 3, lines 1-26). The received signals are despread to obtain the separate user signals (figure 2). The

separate user signals are input to a central processor (figure 2) and the separate user signals are combined and interference is removed from the received signals to obtain estimates of the user signals compensated for MAI (multiple access interference) (column 3, lines 19-26).

## Allowable Subject Matter

- 5. Claims 1-13 and 31-41 are allowed.
- 6. Claims 15-30 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin M. Burd whose telephone number is (571) 272-3008. The examiner can normally be reached on Monday - Friday 9 am - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel can be reached on (571) 272-2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kevin M. Burd 8/31/2006

KEVIN BURD PRIMARY EXAMINER